

VENTPETIT

Ventilation Fan: Exhaust & Room-to-Room

VENTPETIT is a “plug and play” exhaust fan unit that can be used for direct outdoor or room-to-room ventilation. Air is drawn into the unit via inlet vents and expelled through one exhaust port.

The compact, energy efficient, ductless, and finger safe unit comes pre-assembled for easy installation into walls, ceilings, and windows.

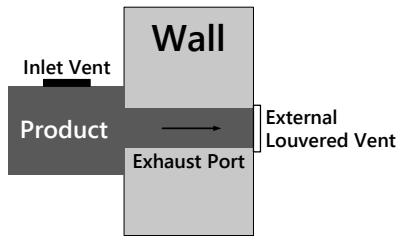


Figure 1. Schematic of the installation of the product.

INSTALLATION

The unit, which is shown in **Figure 1**, is easily self-installed by following these steps:

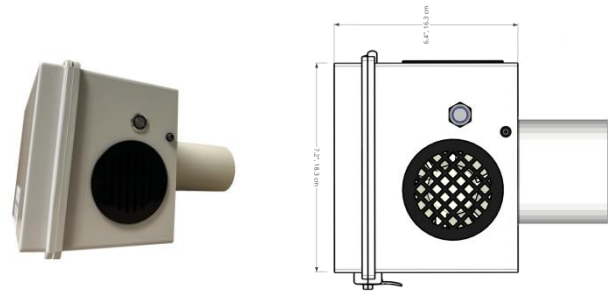
- Attach 4× mounting brackets to the base of the enclosure.
- Position the unit on the installation surface and mark the perimeter of the exhaust port with a pencil.
- Drill or cut out a hole with a minimum diameter of ~3.25 in (~83 mm) into the installation surface (wall). You may add ≤ 0.2 in (~5 mm) tolerance to the hole diameter to account for insulation.
- You may insert an insulation sheet or foam gasket into the hole.
- Insert the exhaust port of the unit into the hole and ensure that there is a snug fit. The enclosure of the unit in the indoor space shall be flush with the wall.
- Use the orifices on the brackets to mark 4× holes on the installation surface.
- Attach screws or nails to the marked holes.
- Affix an external louvered vent to the exhaust port of the product.
- Caulks and sealants may be used to seal the edges of the hole that are exposed to the outdoors to prevent the encroachment of animals into the indoor space.
- Connect the power connector of the unit to a 12 V (≥ 2 A) DC adapter.

SPECIFICATIONS

Parameter	Value
Maximum voltage [V DC]	12
Air flow capacity at 0.1 in wc [CFM]	40
Air flow capacity at 24 Pa [m ³ /h]	67
Power consumption [W]	4
Sound level [dB]	37
Weight [lb (kg)]	5.5 (2.5)
Number of ports	1
Diameter of port [in (mm)]	3 (76)
Power connector	Female DC port: 2.1mm×5.5mm barrel jack

Note. The product is protected by intellectual property and shall not be reverse-engineered, imitated, and copied except under an approved licensing agreement with the manufacturer. Due to continuous research and development and the diversity of suppliers that are utilized by the manufacturer, the specifications, drawings, and images of the product may vary between the technical data sheet and/or the actual units that are received by customers. We reserve the right to modify the data sheet without notice.

MODEL	QUANTITY	COMMENTS	PROJECT
			Location: Architect: Engineer: Contractor: Submitted By:



The length of the exhaust port is ~6.5" (165 mm) | The maximum length of the complete unit is ~13" (330 mm)

APPLICATIONS

The unit is suitable for:

- new construction and retrofit projects;
- bedrooms, living rooms, recreation rooms, kitchens, bathrooms, utility rooms, apartments, offices, studios, tiny houses, garages, and shops.

WARNINGS

Failure to comply with the warnings may cause fire, property damage, electric shock, injury, or death. These warnings shall be strictly observed:

- The unit shall not be modified, disassembled, or serviced.
- The unit is pre-assembled with inlet vents and their orifices shall not be blocked.
- The unit shall not be connected to the wall power or mains electricity except through the use of an AC-to-DC adapter that can supply 12 V DC and handle ≥ 2 A.
- The electrical parts of the unit (i.e., fans, connectors, and wires) shall not be handled.
- The unit shall not be installed where there is probable contact with liquids or excessive heat.
- The vents of the unit shall not be connected to external appliances.

CONTROL

The unit comes with a boost button that may be used to increase the flow rate from the normal condition to a much higher flow rate setting. Alternatively, the unit may be connected to a humidity controller or timer control system that operates at 12 V DC.

MAINTENANCE

The unit shall be disconnected from electrical power before maintenance is conducted. A vacuum cleaner may be used to extract particles that accumulate on the vent orifices. The surfaces of the vents may also be cleaned with a piece of dry cloth.

CERTIFICATION

The unit operates on the load side of a Class 2 power source in accordance with Canada Electric Code Rule 16-222 and US National Electric Code Class 2 Article 725-41. Consequently, the manufacturer is not liable if additional approval is required by the Authority Having Jurisdiction where the product is purchased and/or installed.

LIMITED WARRANTY

The manufacturer's obligation is limited to repair or replacement, at the option of the manufacturer, of any product determined to be defective in workmanship or material for a maximum period of one year from the date of purchase by the customer. The limited warranty does not apply to defects that are caused by normal wear and tear, normal corrosion, and normal failure that ensue from the operation of electrical or mechanical devices. The limited warranty does not extend to products that have been subject to misuse, neglect, abuse, alteration, testing, improper installation, improper storage, improper maintenance, improper handling during shipping, unauthorized attempts to repair, accident, fire, lightning, or other hazard, and damage by current, temperature, and physical stress. The limited warranty does not extend to products that have been modified, disassembled, serviced, or reassembled by a third party.